

In the Specification

Page 1, please amend lines 4-15 to read:

Background Of The Invention

Field Of The Invention

A3 The invention relates to a method of storing solar energy in conjunction with reducing the CO₂ content of air.

During the generation of energy from fossile fuels, CO₂ is released into the atmosphere in considerable amounts. According to presently valid climate models, there occurs thus a rise in the CO₂ content of the atmosphere. This rise produces a "greenhouse effect" and thereby a rise in the mean global temperature which, in turn, may result in serious climate changes. Therefore, efforts are made to reduce the CO₂ emission.

Description of the Prior Art

Page 2, please amend lines 8-14 to read:

Summary Of The Invention

A4 Therefore, with the foregoing in mind, it is a primary object of the present invention to provide a new and improved method of producing and storing energy from solar energy

which is not associated with the aforementioned drawbacks and limitations of the prior art methods.

Q4 Another and more specific object of the present invention aims at eliminating the drawbacks of the prior art methods and, in particular, at providing a new and improved method of storing solar energy while simultaneously effecting a reduction in the CO₂ content of the air. Now, in order to implement these and still further objects of the invention, which will become more readily apparent as the description proceeds, the method of the present development is manifested, among other things, by the following features.

Page 3, please amend the first full paragraph as follows:

P5 Turning now specifically to Example 1 : Charcoal , charcoal which has been produced from photosynthetic biomass in known manner, is stored in a bunker plant. For this purpose, the charcoal is infed into the bunker plant and outfed therefrom upon request by using technically conventional conveying means. For example, subterraneous cavities such as present in a coal, ore or salt mine or the like as well as known above-ground constructions are considered for such bunker plants. The charcoal storage is intended for time periods of up to 20 years or more. In order to prevent ignition or oxidative degradation, the charcoal is stored under non-ignitable protective gas having a density greater than air such as CO₂ or, if desired, a rare gas. Each bunker plant is